

=> file biosis

=> s (carlone, m?)/au  
L1 14 (CARLONE, M?)/AU

=> s (noble, s?)/au  
L2 256 (NOBLE, S?)/AU

=> s l1 or l2  
L3 269 L1 OR L2

=> s (corn or maize or zea)/ab,bi  
L4 115903 (CORN OR MAIZE OR ZEA)/AB,BI

=> s l3 and l4  
L5 21 L3 AND L4

=> file agricola

=> s l5  
L6 5 L3 AND L4

=> dup rem  
L7 23 DUP REM L5 L6 (3 DUPLICATES REMOVED)

=> d l7 1-23 ti py

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STN  
TI Inbred \*\*\*maize\*\*\* line PH581.  
PY 2004

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STN  
TI Hybrid \*\*\*maize\*\*\* plant and seed.  
PY 2001

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STN  
TI Hybrid \*\*\*maize\*\*\* plant and seed 33P66.  
PY 2001

L7 ANSWER 4 OF 23 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on  
STN  
TI Inbred \*\*\*maize\*\*\* line PH2MW.  
PY 2000

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STN  
TI Inbred \*\*\*maize\*\*\* line PH1EM.  
PY 2000

L7 ANSWER 6 OF 23 AGRICOLA Compiled and distributed by the National  
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(2004) on STN  
TI Development of a \*\*\*maize\*\*\* breakage test method using a commercial  
food processor.  
PY 2000

L7 ANSWER 7 OF 23 AGRICOLA Compiled and distributed by the National

10/752,793

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TI Effects of drying air temperature and humidity on stress cracks and  
PY breakage of \*\*\*maize\*\*\* kernels.  
2000

L7 ANSWER 8 OF 23 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on  
STN

TI Inbred \*\*\*corn\*\*\* line 2501172.  
PY 1998

L7 ANSWER 9 OF 23 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on  
STN

TI Inbred \*\*\*maize\*\*\* line PH67A.  
PY 1998

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TI Inbred \*\*\*maize\*\*\* line PH05W.  
PY 1998

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TI Hybrid \*\*\*maize\*\*\* plant and seed (3260).  
PY 1998

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TI Inbred \*\*\*corn\*\*\* line PHHB.  
PY 1997

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TI Inbred \*\*\*corn\*\*\* line ZS1022.  
PY 1997

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TI Hybrid \*\*\*corn\*\*\* plant and seed (3489).  
PY 1996

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TI Hybrid \*\*\*corn\*\*\* plant and seed (3189).  
PY 1996

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TI Inbred \*\*\*corn\*\*\* line PHN82.  
PY 1996

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TI Hybrid \*\*\*corn\*\*\* plant and seed.  
PY 1996

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STN

TI Hybrid \*\*\*corn\*\*\* plant and seed (3279).  
PY 1996

L7 ANSWER 19 OF 23 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on

STN  
 TI Inbred \*\*\*corn\*\*\* line PHHB4.  
 PY 1995

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 STN DUPLICATE 1  
 TI EVALUATION OF S-2 \*\*\*MAIZE\*\*\* LINES REPRODUCED FOR SEVERAL GENERATIONS  
 BY RANDOM MATING WITHIN LINES II. COMPARISONS FOR TESTCROSS PERFORMANCE OF  
 ORIGINAL AND ADVANCED S-2 AND S-8 LINES.  
 PY 1989

L7 ANSWER 21 OF 23 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on  
 STN  
 TI HYBRID \*\*\*CORN\*\*\* PLANT AND SEED US PATENT-4737596. APRIL 12 1988.  
 PY 1988

L7 ANSWER 22 OF 23 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on  
 STN DUPLICATE 2  
 TI EVALUATION OF S-2 \*\*\*MAIZE\*\*\* LINES REPRODUCED FOR SEVERAL GENERATIONS  
 BY RANDOM MATING WITHIN LINES I. COMPARISONS BETWEEN THE ORIGINAL AND  
 MAINTAINED S-2 LINES.  
 PY 1988

L7 ANSWER 23 OF 23 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on  
 STN DUPLICATE 3  
 TI RESPONSE TO PLANT DENSITIES AND NITROGEN LEVELS FOR FOUR \*\*\*MAIZE\*\*\*  
 CULTIVARS FROM DIFFERENT ERAS OF BREEDING.  
 PY 1987

=> d 17 1-5 8-23

L7 ANSWER 1 OF 23 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on  
 STN  
 AN 2004:249660 BIOSIS  
 DN PREV200400249610  
 TI Inbred \*\*\*maize\*\*\* line PH581.  
 AU \*\*\*Carlone, Mario Rosario Jr.\*\*\* [Inventor, Reprint Author];  
 \*\*\*Noble, Stephen W. Jr.\*\*\* [Inventor]  
 CS Johnston, IA, USA  
 ASSIGNEE: Pioneer Hi-Bred International, Inc.  
 PI US 6717037 April 06, 2004

L7 ANSWER 2 OF 23 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on  
 STN  
 AN 2002:113195 BIOSIS  
 DN PREV200200113195  
 TI Hybrid \*\*\*maize\*\*\* plant and seed.  
 AU \*\*\*Carlone, Mario Rosario, Jr.\*\*\* [Inventor, Reprint author]  
 CS Princeton, IL, USA  
 ASSIGNEE: Pioneer Hi-Bred International, Inc.  
 PI US 6326530 December 04, 2001

L7 ANSWER 3 OF 23 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on  
 STN  
 AN 2001:352593 BIOSIS  
 DN PREV200100352593  
 TI Hybrid \*\*\*maize\*\*\* plant and seed 33P66.  
 AU \*\*\*Carlone, Mario Rosario\*\*\* [Inventor]  
 CS ASSIGNEE: Pioneer Hi-Bred International, Inc.  
 PI US 6180857 January 30, 2001

L7 ANSWER 4 OF 23 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on

STN  
AN 2001:218311 BIOSIS  
DN PREV200100218311  
TI Inbred \*\*\*maize\*\*\* line PH2MW.  
AU \*\*\*Carlone, Mario Rosario\*\*\* [Inventor, Reprint author]; Stucker,  
David Scott [Inventor]  
CS Princeton, IL, USA  
ASSIGNEE: Pioneer Hi-Bred International, Inc.  
PI US 6124532 September 26, 2000

L7 ANSWER 5 OF 23 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on  
STN  
AN 2001:207537 BIOSIS  
DN PREV200100207537  
TI Inbred \*\*\*maize\*\*\* line PH1EM.  
AU \*\*\*Noble, Stephen W.\*\*\* [Inventor, Reprint author]  
CS Johnston, IA, USA  
ASSIGNEE: Pioneer Hi-Bred International, Inc.  
PI US 6118056 September 12, 2000

L7 ANSWER 8 OF 23 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on  
STN  
AN 2002:111223 BIOSIS  
DN PREV200200111223  
TI Inbred \*\*\*corn\*\*\* line 2501172.  
AU \*\*\*Carlone, M.\*\*\* [Inventor]  
CS Princeton, Ill., USA  
ASSIGNEE: GARST SEED COMPANY  
PI US 5763755 June 9, 1998

L7 ANSWER 9 OF 23 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on  
STN  
AN 2002:111214 BIOSIS  
DN PREV200200111214  
TI Inbred \*\*\*maize\*\*\* line PH67A.  
AU \*\*\*Noble, S. W., Jr.\*\*\* [Inventor]  
CS Johnston, Iowa, USA  
ASSIGNEE: PIONEER HI-BRED INTERNATIONAL, INC.  
PI US 5763744 June 9, 1998

L7 ANSWER 10 OF 23 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on  
STN  
AN 2002:109331 BIOSIS  
DN PREV200200109331  
TI Inbred \*\*\*maize\*\*\* line PH05W.  
AU \*\*\*Noble, S. W., Jr.\*\*\* [Inventor]  
CS Johnston, Iowa, USA  
ASSIGNEE: PIONEER HI-BRED INTERNATIONAL, INC.  
PI US 5750849 May 12, 1998

L7 ANSWER 11 OF 23 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on  
STN  
AN 2002:105278 BIOSIS  
DN PREV200200105278  
TI Hybrid \*\*\*maize\*\*\* plant and seed (3260).  
AU Barker, T. C. [Inventor]; \*\*\*Noble, S. W., Jr.\*\*\* [Inventor]  
CS Princeton, Ind., USA  
ASSIGNEE: PIONEER HI-BRED INTERNATIONAL, INC.  
PI US 5728921 March 17, 1998

L7 ANSWER 12 OF 23 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on  
STN  
AN 2002:66261 BIOSIS

DN PREV200200066261  
 TI Inbred \*\*\*corn\*\*\* line PHHB.  
 AU \*\*\*Noble, S. W., Jr.\*\*\* [Inventor]  
 CS Johnston, Iowa, USA  
 ASSIGNEE: PIONEER HI-BRED INTERNATIONAL, INC.  
 PI US 5633427 May 27, 1997

L7 ANSWER 13 OF 23 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on  
 STN  
 AN 2002:61496 BIOSIS  
 DN PREV200200061496  
 TI Inbred \*\*\*corn\*\*\* line ZS1022.  
 AU \*\*\*Carlone, M. R., Jr.\*\*\* [Inventor]  
 CS Granger, Iowa, USA  
 ASSIGNEE: ZENCO (NO. 4) LIMITED  
 PI US 5602314 Feb. 11, 1997

L7 ANSWER 14 OF 23 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on  
 STN  
 AN 2002:49589 BIOSIS  
 DN PREV200200049589  
 TI Hybrid \*\*\*corn\*\*\* plant and seed (3489).  
 AU \*\*\*Noble, S. W., Jr.\*\*\* [Inventor]  
 CS Johnston, Iowa, USA  
 ASSIGNEE: PIONEER HI-BRED INTERNATIONAL, INC.  
 PI US 5557035 Sept. 17, 1996

L7 ANSWER 15 OF 23 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on  
 STN  
 AN 2002:45479 BIOSIS  
 DN PREV200200045479  
 TI Hybrid \*\*\*corn\*\*\* plant and seed (3189).  
 AU Morrow, D. L. [Inventor]; \*\*\*Noble, S. W.\*\*\* [Inventor]  
 CS Garden City, Kans., USA  
 ASSIGNEE: PIONEER HI-BRED INTERNATIONAL, INC.  
 PI US 5530180 June 25, 1996

L7 ANSWER 16 OF 23 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on  
 STN  
 AN 2002:37326 BIOSIS  
 DN PREV200200037326  
 TI Inbred \*\*\*corn\*\*\* line PHN82.  
 AU \*\*\*Noble, S. W.\*\*\* [Inventor]  
 CS Johnston, Iowa, USA  
 ASSIGNEE: PIONEER HI-BRED INTERNATIONAL, INC.  
 PI US 5506368 April 9, 1996

L7 ANSWER 17 OF 23 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on  
 STN  
 AN 2002:35095 BIOSIS  
 DN PREV200200035095  
 TI Hybrid \*\*\*corn\*\*\* plant and seed.  
 AU Niebur, W. S. [Inventor]; Riley, R. D. [Inventor]; \*\*\*Noble, S. W.\*\*\*  
 [Inventor]  
 CS Victor, France  
 ASSIGNEE: PIONEER HI-BRED INTERNATIONAL, INC.  
 PI US 5491295 Feb. 13, 1996

L7 ANSWER 18 OF 23 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on  
 STN  
 AN 2002:35091 BIOSIS  
 DN PREV200200035091  
 TI Hybrid \*\*\*corn\*\*\* plant and seed (3279).

AU \*\*\*Noble, S. W., Jr.\*\*\* [Inventor]; Williams, N. E. [Inventor];  
 Stucker, D. S. [Inventor]; Segebart, R. L. [Inventor]; Keaschall, J. W.  
 [Inventor]  
 CS Johnston, Iowa, USA  
 ASSIGNEE: PIONEER HI-BRED INTERNATIONAL, INC.  
 PI US 5491289 Feb. 13, 1996

L7 ANSWER 19 OF 23 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on  
 STN  
 AN 2002:28527 BIOSIS  
 DN PREV200200028527  
 TI Inbred \*\*\*corn\*\*\* line PHHB4.  
 AU \*\*\*Noble, S. W., Jr.\*\*\* [Inventor]  
 CS Polk County, Iowa, USA  
 ASSIGNEE: PIONEER HI-BRED INTERNATIONAL, INC.  
 PI US 5444178 Aug. 22, 1995

L7 ANSWER 20 OF 23 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on  
 STN DUPLICATE 1  
 AN 1989:422472 BIOSIS  
 DN PREV198988080730; BA88:80730  
 TI EVALUATION OF S-2 \*\*\*MAIZE\*\*\* LINES REPRODUCED FOR SEVERAL GENERATIONS  
 BY RANDOM MATING WITHIN LINES II. COMPARISONS FOR TESTCROSS PERFORMANCE OF  
 ORIGINAL AND ADVANCED S-2 AND S-8 LINES.  
 AU \*\*\*CARLONE M R JR\*\*\* [Reprint author]; RUSSELL W A  
 CS DEP AGROMONY, IOWA STATE UNIV, AMES, IOWA 50011, USA  
 SO Crop Science, (1989) Vol. 29, No. 4, pp. 899-904.  
 CODEN: CRPSAY. ISSN: 0011-183X.

L7 ANSWER 21 OF 23 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on  
 STN  
 AN 1988:271715 BIOSIS  
 DN PREV198835000029; BR35:29  
 TI HYBRID \*\*\*CORN\*\*\* PLANT AND SEED US PATENT-4737596. APRIL 12 1988.  
 AU SEIFERT R [Inventor, Reprint author]; \*\*\*NOBLE S W\*\*\* [Inventor];  
 NIEBUR W S [Inventor]  
 CS DES MOINES, IOWA, USA  
 ASSIGNEE: PIONEER HI-BRED INTERNATIONAL, INC  
 PI US 4737596 April 12, 1988

L7 ANSWER 22 OF 23 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on  
 STN DUPLICATE 2  
 AN 1989:46872 BIOSIS  
 DN PREV198987022872; BA87:22872  
 TI EVALUATION OF S-2 \*\*\*MAIZE\*\*\* LINES REPRODUCED FOR SEVERAL GENERATIONS  
 BY RANDOM MATING WITHIN LINES I. COMPARISONS BETWEEN THE ORIGINAL AND  
 MAINTAINED S-2 LINES.  
 AU \*\*\*CARLONE M R JR\*\*\* [Reprint author]; RUSSELL W A  
 CS DEP AGRONOMY, IOWA STATE UNIV, AMES, IOWA 50011, USA  
 SO Crop Science, (1988) Vol. 28, No. 6, pp. 916-920.  
 CODEN: CRPSAY. ISSN: 0011-183X

L7 ANSWER 23 OF 23 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on  
 STN DUPLICATE 3  
 AN 1987:291615 BIOSIS  
 DN PREV198784021647; BA84:21647  
 TI RESPONSE TO PLANT DENSITIES AND NITROGEN LEVELS FOR FOUR \*\*\*MAIZE\*\*\*  
 CULTIVARS FROM DIFFERENT ERAS OF BREEDING.  
 AU \*\*\*CARLONE M R\*\*\* [Reprint author]; RUSSELL W A  
 CS IOWA STATE UNIV, AMES, IOWA 50011, USA  
 SO Crop Science, (1987) Vol. 27, No. 3, pp. 465-470.  
 CODEN: CRPSAY. ISSN: 0011-183X.

=> file biosis

=> s ph581/ab,bi

L8 1 PH581/AB,BI

=> file agricola

=> s l8

'AB' IS NOT A VALID FIELD CODE

L9 0 PH581/AB,BI

=> file biosis

=> d l8

L8 ANSWER 1 OF 1 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on STN  
AN 2004:249660 BIOSIS  
DN PREV200400249610  
TI Inbred maize line \*\*\*PH581\*\*\*  
AU Carlone, Mario Rosario Jr. [Inventor, Reprint Author]; Noble, Stephen W.  
Jr. [Inventor]  
CS Johnston, IA, USA  
ASSIGNEE: Pioneer Hi-Bred International, Inc.  
PI US 6717037 April 06, 2004

=> log y

STN INTERNATIONAL LOGOFF AT 19:58:08 ON 10 DEC 2004

## WEST Search History

10/752,793

DATE: Friday, December 10, 2004

Hide?	Set Name	Query	Hit Count
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*DB=USPT; PLUR=YES; OP=OR*

<input type="checkbox"/>	L6	ph581	2
<input type="checkbox"/>	L5	l3 and L4	21
<input type="checkbox"/>	L4	(800/320.1).ccls.	1167
<input type="checkbox"/>	L3	l1 or L2	1828
<input type="checkbox"/>	L2	noble.in.	1804
<input type="checkbox"/>	L1	carlone.in.	25

END OF SEARCH HISTORY



## Hit List

Clear	Generate Collection	Print	Fwd Refs	Bkwd Refs
Generate OACS				

Search Results - Record(s) 1 through 10 of 21 returned.

☐ 1. Document ID: US 6717037 B1

L5: Entry 1 of 21

File: USPT

Apr 6, 2004

US-PAT-NO: 6717037

DOCUMENT-IDENTIFIER: US 6717037 B1

TITLE: Inbred maize line PH581

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWMC	Draw De
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☐ 2. Document ID: US 6426453 B1

L5: Entry 2 of 21

File: USPT

Jul 30, 2002

US-PAT-NO: 6426453

DOCUMENT-IDENTIFIER: US 6426453 B1

TITLE: Inbred corn line G3000

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWMC	Draw De
------	-------	----------	-------	--------	----------------	------	-----------	--------	------	---------

☐ 3. Document ID: US 6326530 B1

L5: Entry 3 of 21

File: USPT

Dec 4, 2001

US-PAT-NO: 6326530

DOCUMENT-IDENTIFIER: US 6326530 B1

**\*\* See image for Certificate of Correction \*\***

TITLE: Hybrid maize plant and seed

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWMC	Draw De
------	-------	----------	-------	--------	----------------	------	-----------	--------	------	---------

☐ 4. Document ID: US 6180857 B1

L5: Entry 4 of 21

File: USPT

Jan 30, 2001

US-PAT-NO: 6180857

DOCUMENT-IDENTIFIER: US 6180857 B1

**\*\* See image for Certificate of Correction \*\***

TITLE: Hybrid maize plant and seed 33P66

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMMC	Draw De
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☐ 5. Document ID: US 6124533 A

L5: Entry 5 of 21

File: USPT

Sep 26, 2000

US-PAT-NO: 6124533

DOCUMENT-IDENTIFIER: US 6124533 A

**\*\* See image for Certificate of Correction \*\***

TITLE: Inbred maize line PH2N0

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMMC	Draw De
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☐ 6. Document ID: US 6124532 A

L5: Entry 6 of 21

File: USPT

Sep 26, 2000

US-PAT-NO: 6124532

DOCUMENT-IDENTIFIER: US 6124532 A

**\*\* See image for Certificate of Correction \*\***

TITLE: Inbred maize line PH2MW

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMMC	Draw De
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☐ 7. Document ID: US 6118056 A

L5: Entry 7 of 21

File: USPT

Sep 12, 2000

US-PAT-NO: 6118056

DOCUMENT-IDENTIFIER: US 6118056 A

TITLE: Inbred maize line PH1EM

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMMC	Draw De
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☐ 8. Document ID: US 5763755 A

L5: Entry 8 of 21

File: USPT

Jun 9, 1998

US-PAT-NO: 5763755

DOCUMENT-IDENTIFIER: US 5763755 A

TITLE: Inbred corn line ZS01172

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMMC	Draw De
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☐ 9. Document ID: US 5763744 A

L5: Entry 9 of 21

File: USPT

Jun 9, 1998

US-PAT-NO: 5763744

DOCUMENT-IDENTIFIER: US 5763744 A

TITLE: Inbred maize line PH67A

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	RMK	Draw. De
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☐ 10. Document ID: US 5750849 A

L5: Entry 10 of 21

File: USPT

May 12, 1998

US-PAT-NO: 5750849

DOCUMENT-IDENTIFIER: US 5750849 A

TITLE: Inbred maize line PH05W

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	RMK	Draw. De
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Clear

Generate Collection

Print

Fwd Refs

Bkwd Refs

Generate OACS

Terms	Documents
L3 and L4	21

Display Format: TI

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## Hit List

Clear	Generate Collection	Print	Fwd Refs	Blwd Refs
Generate OACS				

Search Results - Record(s) 11 through 20 of 21 returned.

☐ 11. Document ID: US 5728921 A

L5: Entry 11 of 21

File: USPT

Mar 17, 1998

US-PAT-NO: 5728921

DOCUMENT-IDENTIFIER: US 5728921 A

**\*\* See image for Certificate of Correction \*\***

TITLE: Hybrid maize plant & seed (3260)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	INMC	Draw. De
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☐ 12. Document ID: US 5633427 A

L5: Entry 12 of 21

File: USPT

May 27, 1997

US-PAT-NO: 5633427

DOCUMENT-IDENTIFIER: US 5633427 A

**\*\* See image for Certificate of Correction \*\***

TITLE: Inbred corn line PHHB

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	INMC	Draw. De
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☐ 13. Document ID: US 5602314 A

L5: Entry 13 of 21

File: USPT

Feb 11, 1997

US-PAT-NO: 5602314

DOCUMENT-IDENTIFIER: US 5602314 A

TITLE: Inbred corn line ZS1022

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	INMC	Draw. De
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☐ 14. Document ID: US 5557035 A

L5: Entry 14 of 21

File: USPT

Sep 17, 1996

US-PAT-NO: 5557035

DOCUMENT-IDENTIFIER: US 5557035 A

TITLE: Hybrid corn plant & seed (3489)

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	FIGS	Draw. De
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☐ 15. Document ID: US 5530180 A

L5: Entry 15 of 21

File: USPT

Jun 25, 1996

US-PAT-NO: 5530180

DOCUMENT-IDENTIFIER: US 5530180 A

TITLE: Hybrid corn plant and seed (3189)

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	FIGS	Draw. De
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☐ 16. Document ID: US 5506368 A

L5: Entry 16 of 21

File: USPT

Apr 9, 1996

US-PAT-NO: 5506368

DOCUMENT-IDENTIFIER: US 5506368 A

TITLE: Inbred corn line PHN82

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	FIGS	Draw. De
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☐ 17. Document ID: US 5491295 A

L5: Entry 17 of 21

File: USPT

Feb 13, 1996

US-PAT-NO: 5491295

DOCUMENT-IDENTIFIER: US 5491295 A

TITLE: Hybrid corn plant and seed

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	FIGS	Draw. De
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☐ 18. Document ID: US 5491289 A

L5: Entry 18 of 21

File: USPT

Feb 13, 1996

US-PAT-NO: 5491289

DOCUMENT-IDENTIFIER: US 5491289 A

TITLE: Hybrid corn plant and seed (3279)

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	FIGS	Draw. De
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☐ 19. Document ID: US 5444178 A

L5: Entry 19 of 21

File: USPT

Aug 22, 1995

US-PAT-NO: 5444178

DOCUMENT-IDENTIFIER: US 5444178 A

TITLE: Inbred corn line PHHB4

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	FIGS	Draw D
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☐ 20. Document ID: US 5157206 A

L5: Entry 20 of 21

File: USPT

Oct 20, 1992

US-PAT-NO: 5157206

DOCUMENT-IDENTIFIER: US 5157206 A

TITLE: Inbred corn line PHN82

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	FIGS	Draw D
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Terms	Documents
L3 and L4	21

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**Search Results** - Record(s) 21 through 21 of 21 returned.

☐ 21. Document ID: US 4737596 A

L5: Entry 21 of 21

File: USPT

Apr 12, 1988

US-PAT-NO: 4737596

DOCUMENT-IDENTIFIER: US 4737596 A

TITLE: Hybrid corn plant and seed

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstract	Keywords	Claims	FWOC	Draw. De
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Clear	Generate Collection	Print	Fwd Refs	Bkwd Refs
Generate OACS				

Terms	Documents
L3 and L4	21

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Apr 20, 2004

US-PAT-NO: 6723903

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TITLE: Inbred maize line PH6WG

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Apr 6, 2004

US-PAT-NO: 6717037

DOCUMENT-IDENTIFIER: US 6717037 B1

TITLE: Inbred maize line PH581

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L6: Entry 1 of 2

File: USPT

Apr 20, 2004

DOCUMENT-IDENTIFIER: US 6723903 B1

TITLE: Inbred maize line PH6WG

Detailed Description Text (196):

The results in Table 4A compare inbred PH6WG crossed to inbred PH581 and inbred PH07D crossed to PH12C. The results show the PH6WG/PH581 hybrid to demonstrate above average and significantly better yields and significantly lower harvest moisture of grain than the PH07D/PH12C hybrid. The PH6WG/PH581 hybrid presents a significantly shorter plant height and a significantly lower ear placement than the PH07D/PH12C hybrid. The PH6WG/PH581 hybrid exhibits above average resistance to stalk lodging and brittle stalk and also shows above average and significantly better resistance to early brittle stalk than the PH07D/PH12C hybrid. The PH6WG/PH581 hybrid demonstrates above average resistance to Gray Leaf Spot and Anthracnose Stalk Rot and also shows above average stay green scores.

Detailed Description Text (197):

The results in Table 4B compare inbred PH6WG crossed to inbred PH581 and inbred PHR61 crossed to PHK56. The results show the PH6WG/PH581 hybrid to demonstrate above average and significantly better yields than the PHR61/PHK56 hybrid. The PH6WG/PH581 hybrid exhibits above average and significantly better resistance to stalk lodging and late season stalk lodging than the PHR61/PHK56 hybrid. The PH6WG/PH581 hybrid also shows above average and significantly better resistance to brittle stalk than the PHR61/PHK56 hybrid. The PH6WG/PH581 hybrid demonstrates significantly better stay green scores than the PHR61/PHK56 hybrid. The PH6WG/PH581 hybrid demonstrates above average and significantly better resistance to both Gray Leaf Spot and Anthracnose Stalk Rot than the PHR61/PHK56 hybrid.

Detailed Description Text (198):

The results in Table 4C compare inbred PH6WG crossed to inbred PH581 and inbred PH05F crossed to PH2N0. The results show the PH6WG/PH581 hybrid to demonstrate above average yields. The PH6WG/PH581 hybrid exhibits above average and significantly better resistance to stalk lodging and late season stalk lodging than the PH05F/PH2N0 hybrid. The PH6WG/PH581 hybrid also shows above average and significantly better resistance to early brittle stalk than the PH05F/PH2N0 hybrid and shows above average resistance to brittle stalk. The PH6WG/PH581 hybrid demonstrates significantly better stay green scores than the PH05F/PH2N0 hybrid. The PH6WG/PH581 hybrid demonstrates above average and significantly better resistance to both Gray Leaf Spot and Anthracnose Stalk Rot than the PH05F/PH2N0 hybrid.

Detailed Description Paragraph Table (5):

TABLE 4A INBREDS IN HYBRID COMBINATION REPORT VARIETY #1 = PH6WG/PH581 VARIETY #2 = PH07D/PH12C PRM BU BU TST GDU GDU PLT PRM SHD ACR ACR MST WTA SHD SLK HT ABS ABS  
 ABS % MN % MN ABS % MN % MN % MN TOTAL SUM 1 109 108 189.9 105 101 56.2 101 100 101  
 2 111 112 182.9 101 109 57.3 105 106 106 LOCS 4 3 169 169 175 101 40 31 52 REPS 4 3  
 172 172 178 103 46 37 57 DIFF 2 3 7.1 4 8 1.1 4 6 5 PR >  
 T .114 .023+ .000# .000# .000# .000# .000# .000# .000# EAR ERT RT LRT STK STK STK  
 EBT BRT HT LSC LDG LSC LDS LDG LDL STK STK % MN ABS % MN ABS ABS % MN % MN % MN %  
 MN TOTAL SUM 1 100 7.0 93 5.8 7.2 103 111 112 105 2 110 8.0 101 7.5 7.9 103 117 98

105 LOCS 52 1 10 13 58 61 37 9 13 REPS 57 1 10 15 59 62 58 34 13 DIFF 10 1.0 8 1.7  
0.8 0 7 15 0 PR > T .000# .241 .047+ .005# .999 .031+ .008# .999 ABT EGR STA DRP  
TST STK EST GLF NLF STK WTH GRN EAR WT CNT CNT SPT BLT % MN % MN % MN % MN ABS % MN  
% MN ABS ABS TOTAL SUM 1 124 100 111 100 56.2 101 100 6.1 3.9 2 117 106 126 100  
57.1 101 100 6.0 5.5 LOCS 8 35 55 13 102 273 12 14 7 REPS 34 36 58 15 104 382 14 20  
10 DIFF 7 6 15 0 0.9 0 0 0.1 1.6 PR >  
T .355 .121 .001# .999 .000# .999 .999 .655 .081\* SLF STW ANT HD FUS DIP ECB ECB  
BLT WLT ROT SMT CLN ERS ERS 1LF 2SC ABS ABS ABS ABS ABS ABS ABS ABS ABS TOTAL SUM 1  
5.3 4.3 5.2 97.0 6.0 5.2 3.0 5.8 4.6 2 4.8 6.3 5.5 98.0 6.4 3.3 5.0 5.5 4.6 LOCS 2  
2 14 4 2 7 3 2 4 REPS 4 4 23 7 7 9 6 3 6 DIFF 0.5 2.0 0.3 1.0 0.4 1.9 2.0 0.3 0.0  
PR > T .500 .295 .205 .567 .766 .078\* .339 .795 .999 HSK CVR ABS TOTAL SUM 1 6.8 2  
5.1 LOCS 11 REPS 13 DIFF 1.7 PR > T .001# \* = 10% SIG + = 5% SIG # = 1% SIG

Detailed Description Paragraph Table (6):

TABLE 4B INBREDS IN HYBRID COMBINATION REPORT VARIETY #1 = PH6WG/PH581 VARIETY #2 =  
PHR61/PHK56 PRM BU BU TST GDU GDU PLT PRM SHD ACR ACR MST WTA SHD SLK HT ABS ABS  
ABS % MN % MN ABS % MN % MN % MN TOTAL SUM 1 109 108 192.3 105 100 55.8 101 100 101  
2 105 107 164.6 90 90 57.0 99 99 99 LOCS 4 2 113 113 116 58 27 19 34 REPS 4 2 121  
121 124 64 28 20 35 DIFF 4 1 27.7 15 10 1.2 2 0 2 PR >  
T .001# .500 .000# .000# .000# .000# .999 .032+ EAR RT LRT STK STK STK BRT  
ABT EGR HT LDG LSC LDS LDG LDL STK STK WTH % MN % MN ABS ABS % MN % MN % MN % MN %  
MN TOTAL SUM 1 101 93 6.3 7.2 102 105 105 122 100 2 95 108 8.3 6.0 99 90 93 76 106  
LOCS 34 10 12 35 51 22 12 4 29 REPS 35 10 14 40 52 33 12 11 31 DIFF 6 15 2.0 1.2 3  
15 12 46 6 PR > T .007# .049+ .018+ .011+ .496 .023+ .033+ .361 .143 STA DRP TST  
STK EST GLF NLF SLF STW GRN EAR WT CNT CNT SPT BLT BLT WLT % MN % MN ABS % MN % MN  
ABS ABS ABS ABS TOTAL SUM 1 105 100 55.8 101 100 6.3 3.2 6.0 4.3 2 70 100 57.6 100  
100 3.6 4.0 3.0 3.8 LOCS 34 13 58 167 9 10 3 1 2 REPS 38 15 64 206 10 13 4 2 4 DIFF  
35 0 1.7 0 1 2.7 0.8 3.0 0.5 PR > T .000# .999 .000# .999 .512 .000# .630 .000# ANT  
HD FUS DIP ECB HSK ROT SMT CLN ERS ERS 1LF CVR ABS ABS ABS ABS ABS ABS ABS TOTAL  
SUM 1 5.3 99.4 8.0 5.5 3.0 6.0 6.7 2 3.0 99.4 3.7 4.3 2.5 5.0 6.0 LOCS 6 2 1 4 1 1  
3 REPS 10 4 3 5 2 1 3 DIFF 2.3 0.0 4.3 1.3 0.5 1.0 0.7 PR > T .015+ .999 .141 .184  
\* = 10% SIG + = 5% SIG # = 1% SIG

Detailed Description Paragraph Table (7):

TABLE 4C INBREDS IN HYBRID COMBINATION REPORT VARIETY #1 = PH6WG/PH581 VARIETY #2 =  
PH05F/PH2N0 PRM BU BU TST GDU GDU PLT PRM SHD ACR ACR MST WTA SHD SLK HT ABS ABS  
ABS % MN % MN ABS % MN % MN % MN TOTAL SUM 1 108 108 179.7 105 100 56.1 101 100 101  
2 108 108 180.6 105 99 57.4 101 101 101 LOCS 8 2 224 224 231 152 45 41 65 REPS 8 2  
247 247 256 161 56 51 79 DIFF 0 0 0.8 0 1 1.3 0 1 0 PR >  
T .999 .999 .561 .999 .147 .000# .999 .000# .999 EAR ERT RT LRT STK STK STK EBT BRT  
HT LSC LDG LSC LDS LDG LDL STK STK % MN ABS % MN ABS ABS % MN % MN % MN % MN TOTAL  
SUM 1 101 5.5 97 6.0 7.4 102 117 111 104 2 97 6.0 99 5.2 6.2 96 103 98 101 LOCS 65  
2 18 14 92 70 45 10 5 REPS 79 2 18 16 99 71 75 36 5 DIFF 3 0.5 2 0.8 1.2 6 14 14 4  
PR > T .002# .795 .522 .364 .000# .016+ .014+ .010+ .080\* ABT EGR STA DRP TST STK  
EST GLF NLF STK WTH GRN EAR WT CNT CNT SPT BLT % MN % MN % MN % MN ABS % MN % MN  
ABS ABS TOTAL SUM 1 122 102 110 100 56.1 101 103 5.8 3.8 2 90 105 101 100 57.4 101  
97 4.6 4.0 LOCS 10 39 71 11 153 361 8 18 9 REPS 52 42 85 13 162 544 11 27 14 DIFF  
32 3 9 0 1.3 1 5 13 0.2 PR > T .006# .330 .038+ .999 .000# .245 .039+ .000# .569  
SLF STW ANT HD FUS DIP COM ECB BLT WLT ROT SMT CLN ERS ERS RST 1LF ABS ABS ABS ABS  
ABS ABS ABS ABS ABS TOTAL SUM 1 5.0 4.3 5.4 98.0 5.2 5.6 3.2 6.0 6.0 2 4.7 5.3 4.2  
93.5 5.3 4.0 4.1 5.3 5.8 LOCS 3 2 22 6 3 8 5 4 3 REPS 6 4 36 11 11 13 10 4 5 DIFF  
0.3 1.0 1.2 4.5 0.2 1.5 0.9 0.8 0.2 PR >  
T .423 .000# .000# .278 .423 .001# .021+ .058\* .423 ECB HSK SWB 2SC CVR PGR ABS ABS  
ABS TOTAL SUM 1 5.3 6.8 17.6 2 4.7 4.6 29.4 LOCS 6 19 1 REPS 10 24 1 DIFF 0.7 2.2  
11.8 PR > T .249 .000# \* = 10% SIG + = 5% SIG # = 1% SIG

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